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(54) Title: LOW VISCOSITY HOT-MELT ADHESIVE COMPOSITION FOR NON-WOVENS

(57) Abstract: Low hot-melt adhesive compositions used in non-woven assemblies, comprising: a) 100 parts by weight of a block copolymer of the formula S-(I/B)-S, wherein S represents a predominantly poly(styrene) block and (I/B) represents a polymer block obtained by at random copolymerization of a mixture of predominantly isoprene and butadiene in a weight ratio in the range of from 60:40 to 40:60, wherein the total block copolymer has an apparent molecular weight in the range of from 124.000 to 145.000 and has a poly(styrene) content of from 30 to 34 wt% and a coupling efficiency of from 60 to 100 %, b) from 250 to 300 parts by weight of a tackifying resin, c) from 5 to 150 parts by weight of a plasticizer, and d) from 1 to 3 parts by weight of auxiliaries, such as stabilizers and/or antioxidants, and disposable articles, comprising at least a non-woven element and assembled by the use of said low hot-melt adhesive compositions as well as block copolymers used therein.



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